

## INFORMATION DISCLOSURE CITATION

Atty. Docket No.	08887.0042	Serial No.	09/874,991
Applicant	James J. MOND et al.		
Filing Date	June 7, 2001	Group:	1645

## U.S. PATENT DOCUMENTS

Examiner Initials*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	6,239,116 B1	May 29, 2001	Krieg et al.	514	44	
	6,214,806 B1	April 10, 2001	Krieg et al.	514	44	
	6,218,371 B1	April 17, 2001	Krieg et al.	514	44	

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## FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner		Date Considered	8/31/04
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## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
JM	6,001,989	12/14/99	Jennings et al.	1		
JM	5,708,154	01/13/98	Smith et al.	1		

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## FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
JM	EP 0 818 202 A1	01/14/98	EP	1		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Copy of European Patent Office search report dated December 2, 2002.

Examiner	N M Minfield	Date Considered	8/31/04
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## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
M	6,194,388 B1	02/27/01	Krieg et al.			
M	6,008,200	12/28/99	Krieg			
M	5,935,527	08/10/99	Andrus et al.			
M	5,747,024	05/05/98	Grabstein et al.			
M	5,478,556	12/26/95	Elliott et al.			

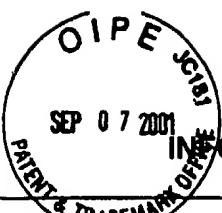
## FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or N
M	WO 99/61056	12/02/99	PCT			
M	WO 99/51259	10/14/99	PCT			
M	WO 98/40100	09/17/98	PCT			
M	WO 98/37919	09/03/98	PCT			
M	WO 98/18810	05/07/98	PCT			
M	WO 96/02555 A1	02/01/96	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

M	Amano, M. et al., "Immunofluorescence-Digital Image Processing System for the Quantitation of Secreted Immunoglobulin by Single Cells," <i>Journal of Immunological Methods</i> , 144, pp. 127-140 (1991).
M	Barry, M. E. et al., "Role of Endogenous Endonucleases and Tissue Site in Transfection and CpG-Mediated Immune Activation after Naked DNA Injection," <i>Human Gene Therapy</i> , 10, pp. 2461-2480 (1999).
M	Bauer, M. et al., "DNA Activates Human Immune Cells Through a CpG Sequence-Dependent Manner," <i>Immunology</i> , 97, pp. 699-705 (1999).
M	Behboudi, S. et al., "The Effects of DNA Containing CpG Motif on Dendritic Cells, <i>Immunology</i> , 99, pp. 361-366 (2000).
M	Bendigs, S. et al., "CpG-Oligodeoxynucleotides Co-Stimulate Primary T Cells in the Absence of Antigen-Presenting Cells," <i>Eur. J. Immunol.</i> , 29, pp. 1209-1218 (1999).
M	Bohle, B. et al., "Oligodeoxynucleotides Containing CpG Motifs Induce IL-12, IL-18 and IFN- $\gamma$ Production in Cells from Allergic Individuals and Inhibit IgE Synthesis in Vitro," <i>Eur. J. Immunol.</i> , 29, pp. 2344-2353 (1999).

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**INFORMATION DISCLOSURE CITATION**

OMB No. 0651-0011

TECH CENTER 1600  
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RECEIVED

Atty. Docket No.	07787-SM	Appln. No.	09/874,991
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Filing Date	June 7, 2001	Group:	Unassigned 1645

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

M	Broide, D. et al., "DNA-Based Immunization for Asthma," <i>Int. Arch Allergy Immunol.</i> , 118, pp. 453-456 (1999).
M	Brown, W. C. et al., "Modulation of Host Immune Responses by Protozoal DNA," <i>Veterinary Immunology and Immunopathology</i> , 72, pp. 87-94 (1999).
M	Carpentier, A. F. et al., "Oligodeoxynucleotides Containing CpG Motifs Can Induce Rejection of a Neuroblastoma in Mice," <i>Cancer Research</i> , 59, pp. 5429-5432 (1999).
M	Chelvarajan, R. L. et al. CpG Oligodeoxynucleotides Overcome the Unresponsiveness of Neonatal B Cells to Stimulation with the Thymus-Independent Stimuli Anti-IgM and TNP-Ficoll," <i>Eur. J. Immunol.</i> , 29, pp. 2808-2818 (1999).
M	Chiaramonte, M. G. et al., "CpG Oligonucleotides Can Prophylactically Immunize Against Th2-Mediated Schistosome Egg-Induced Pathology by an IL-12-Independent Mechanism," <i>The Journal of Immunology</i> , 162:2, pp. 973-985 (2000).
M	Cho, H. et al., "Immunostimulatory DNA-Based Vaccines Induce Cytotoxic Lymphocyte Activity by a T-Help Cell-Independent Mechanism," <i>Nature Biotechnology</i> , 18, pp. 509-514 (2000).
M	Chu, R. S. et al., "CpG DNA Switches on Th1 Immunity and Modulates Antigen-Presenting Cell Function," <i>Immunobiology of Bacterial CpG-DNA</i> , pp. 199-210, Springer, Edited by H. Wagner (2000)..
M	Chu, R. S. et al., CpG Oligodeoxynucleotides Act as Adjuvants for Pneumococcal Polysaccharide-Protein Conjugate Vaccines and Enhance Antipolysaccharide Immunoglobulin G2a (IgG2a) and IgG3 Antibodies," <i>Infection and Immunity</i> , pp. 1450-1456 (2000).
M	Czerkinsky, C. C., "A Solid-Phase Enzyme-Linked Immunospot (ELISPOT) Assay for Enumeration of Specific Antibody-Secreting Cells," <i>Journal of Immunological Methods</i> , 65, pp. 109-121 (1983).
M	Davis, H., "DNA Vaccines for Prophylactic or Therapeutic Immunization Against Hepatitis B Virus," <i>The Mount Sinai Journal of Medicine</i> , 66, 2, pp. 84-90 (1999).
M	Davis, H. L. et al., "DNA Vaccines for Viral Diseases," <i>Microbes and Infection</i> , 1, pp. 7-21 (1999).
M	Davis, H. L. et al., "CpG DNA Overcomes Hyporesponsiveness to Hepatitis B Vaccine in Orangutans," <i>Vaccine</i> , 18, pp. 1920-1924 (2000).
M	Davis, H., "Use of CpG DNA for Enhancing Specific Immune Responses," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 171-184 (2000).
M	Decker, T. et al., Immunostimulatory CpG-Oligonucleotides Cause Proliferation, Cytokine Production, and an Immunogenic Phenotype in Chronic Lymphocytic Leukemia B Cells," <i>Blood</i> , 95, 3, pp. 999-1006 (2000).
M	Deng et al., "The Features of Arthritis Induced by CpG Motifs in Bacterial DNA," <i>Arthritis &amp; Rheumatism</i> , 43, 2, pp. 356-364 (2000).
M	Elkins, K. L. et al., "Bacterial DNA Containing CpG Motifs Stimulates Lymphocyte-Dependent Protection of Mice Against Lethal Infection with Intracellular Bacteria," <i>The Journal of Immunology</i> , 162, 4, pp. 2291-2298 (1999).

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>M</i>	Feltquate, D. et al., "Effect of CpG Methylation on Isotype and Magnitude of Antibody Responses to Influenza Hemagglutinin-Expressing Plasmid," <i>DNA and Cell Biology</i> , 18, 9, pp. 663-670 (1999).
<i>M</i>	Freidag, B. L. et al., "CpG Oligodeoxynucleotides and Interleukin-12 Improve the Efficacy of Mycobacterium Bovis BCG Vaccination in Mice Challenged with M. Tuberculosis," <i>Infection and Immunity</i> , pp. 2948-2953 (2000).
<i>M</i>	Gilkerson, G. S. et al., "Effects of Bacterial DNA on Cytokine Production by (NZB/NZW)F <sub>1</sub> Mice <sup>1</sup> , <i>The Journal of Immunology</i> , Vol. 161, No. 8, pp. 3890-3895 (1998).
<i>M</i>	Goeckeritz, B. E. et al., "Multivalent Cross-Linking of Membrane Ig Sensitizes Murine B Cells to a Broader Spectrum of CpG-Containing Oligodeoxynucleotide Motifs, Including their Methylated Counterparts, for Stimulation of Proliferation and Ig Secretion," <i>International Immunology</i> , 11, 10, pp. 1693-1700 (1999).
<i>M</i>	Gursel, M. et al., "Immunoadjuvant Action of Plasmid DNA in Liposomes," <i>Vaccine</i> , 17, pp. 1376-1383 (1999).
<i>M</i>	Gurunathan, S. et al., "DNA Vaccines: Immunology, Application, and Optimization," <i>Annu. Rev. Immunol.</i> , 18, pp. 927-974 (2000).
<i>M</i>	Hacker, S., "Signal Transduction Pathways Activated by CpG-DNA," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 77-92 (2000).
<i>M</i>	Hacker, H. et al., "Cell Type-Specific Activation of Mitogen-Activated Protein Kinases by CpG-DNA Controls Interleukin-12 Release from Antigen-Presenting Cells," <i>The EMBO Journal</i> , Vol. 18, No. 24, pp. 6973-6982 (1999).
<i>M</i>	Hartmann, G. et al., "Delineation of a CpG Phosphorothioate Oligodeoxynucleotide for Activating Primate Immune Responses In Vitro and In Vivo," <i>The Journal of Immunology</i> , Vol. 164, No. 3, pp. 1617-1624 (2000).
<i>M</i>	Hartmann, G. et al., "CpG DNA and LPS Induce Distinct Patterns of Activation in Human Monocytes," <i>Gene Therapy</i> , 6, pp. 893-903 (1999).
<i>M</i>	Hartmann, G. et al., "CpG DNA: A Potent Signal for Growth, Activation, and Maturation of Human Dendritic Cells," <i>Proc. Natl. Acad. Sci. USA</i> , 96, pp. 9305-9310 (1999).
<i>M</i>	Hartmann, G. et al., "Mechanism and Function of a Newly Identified CpG DNA Motif in Human Primary B Cells," <i>The Journal of Immunology</i> , 164, 2, pp. 944-952 (2000).
<i>M</i>	Hassett, D. E. et al., "Plasmid DNA Vaccines are Effective in the Absence of IFN $\gamma$ ," <i>Virology</i> , 263, pp. 175-183 (1999).
<i>M</i>	Heeg, K. et al., "CpG DNA as a Th1 Trigger," <i>International Archives of Allergy and Immunology</i> , 121, 2, pp. 87-97 (2000).
<i>M</i>	Heeg, K., "CpG DNA Co-Stimulates Antigen-Reactive T Cells," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 93-105 (2000)..
<i>M</i>	Horner, A.A. et al., "Immunostimulatory-Sequence DNA is an Effective Mucosal Adjuvant," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited H. Wagner, pp. 185-198 (2000).

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## INFORMATION DISCLOSURE CITATION

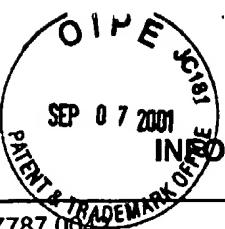
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### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

M	Iho, S. et al., "Oligodeoxynucleotides Containing Palindrome Sequences with Internal 5'-CpG-3' Act Directly on Human NK and Activated T Cells to Induce IFN-γ Production In Vitro," <i>The Journal of Immunology</i> , 163, 7, pp. 3642-3652 (1999).
M	Jahn-Schmid, B. et al., "Oligodeoxynucleotides Containing CpG Motifs Modulate the Allergic T <sub>H</sub> 2 Response of BALB/c Mice to Bet v 1, the Major Birch Pollen Allergen," <i>J. Allergy Clin. Immunol.</i> , 104, 5, pp. 1015-1023 (1999).
M	Jones, B. et al., "Reduced In Vitro Production of Interferon-Gamma, Interleukin-4 and Interleukin-12 and Increased Production of Interleukin-6, Interleukin-10 and Tumour Necrosis Factor-Alpha in Systemic Lupus Erythematosus. Weak Correlations of Cytokine Production with Disease Activity," <i>Autoimmunity</i> , 31, pp. 117-124 (1999).
M	Jones, T. et al., "Synthetic Oligodeoxynucleotides Containing CpG Motifs Enhance Immunogenicity of a Peptide Malaria Vaccine in Aotus Monkeys," <i>Vaccine</i> , 17, pp. 3065-3071 (1999).
M	Kamstrup, S. et al., "Response of Porcine Peripheral Blood Mononuclear Cells to CpG-Containing Oligodeoxynucleotides," <i>Veterinary Microbiology</i> , 78, pp. 353-362 (2001).
M	Kim, S. K. et al., "Comparison of the Effect of Different Immunological Adjuvants on the Antibody and T-cell Response to Immunization with MUC1-KLH and GD3-KLH Conjugate Cancer Vaccines," <i>Vaccine</i> , 18, pp. 597-603 (2000).
M	Kline, J.N., "Effects of CpG DNA on Th1/Th2 Balance in Asthma," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 211-225 (2000).
M	Klinman, D.M. et al., "Contribution of CpG Motifs to the Immunogenicity of DNA Vaccines," <i>The Journal of Immunology</i> , 158, 8, pp. 3635-3639 (1997).
M	Klinman, D. M. et al., "CpG DNA Augments the Immunogenicity of Plasmid DNA Vaccines," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 131-141 (2000).
M	Klinman, D.M. et al., "CpG Motifs Present in Bacterial DNA Rapidly Induce Lymphocytes to Secrete Interleukin 6, Interleukin 12, and Interferon γ," <i>Proc. Natl. Acad. Sci. USA</i> , 93, pp. 2879-2883 (1996).
M	Klinman, D.M. et al., "Activation of the Innate Immune System by CpG Oligodeoxynucleotides: Immunoprotective Activity and Safety," <i>Springer Semin Immunopathol.</i> , Edited by E. Raz, 22, pp. 173-183 (2000).
M	Klinman, D.M., "Therapeutic Applications of CpG-Containing Oligodeoxynucleotides," <i>Antisense &amp; Nucleic Acid Drug Development</i> , 8, pp. 181-184 (1998).
M	Klinman, D.M., "Repeated Administration of Synthetic Oligodeoxynucleotides Expressing CpG Motifs Provides Long-Term Protection Against Bacterial Infection," <i>Infection and Immunity</i> , pp. 5658-5663 (1999).
M	Klinman, D.M. et al., "CpG Motifs as Immune Adjuvants," <i>Vaccine</i> , 17, 1, pp. 19-25 (1999).
M	Kobayashi, H. et al., "Immunostimulatory DNA Prepriming: A Novel Approach for Prolonged Th1-Biased Immunity," <i>Cellular Immunology</i> , 198, pp. 69-75 (1999).

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8/31/04



**INFORMATION DISCLOSURE CITATION**

OMB No. 0651-0011

TECH CENTER 1600  
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

M	Krieg, A.M. et al., "Mechanisms and Therapeutic Applications of Immune Stimulatory CpG DNA," <i>Pharmacology &amp; Therapeutics</i> , 84, pp. 113-120 (1999).
M	Krieg, A.M., "Direct Immunologic Activities of CpG DNA and Implications for Gene Therapy," <i>The J Gene Med</i> , 1, pp. 56-63 (1999).
M	Krieg, A.M. et al., "Mechanism of Action of CpG DNA," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 1-21.
M	Krieg, A.M. et al., "CpG Motifs in Bacterial DNA Trigger Direct B-Cell Activation," <i>Nature</i> , 374, pp. 546-549 (1995).
M	Krieg, A.M., "The Role of CpG Motifs in Innate Immunity," <i>Current Opinion in Immunology</i> , 12, 1, pp. 35-43 (2000).
M	Krieg, A.M. et al., "CpG DNA Induces Sustained IL-12 Expression In Vivo and Resistance to Listeria Monocytogenes Challenge," <i>The Journal of Immunology</i> , 161, 5, pp. 2428-2434 (1998).
M	Krieg, A.M., "CpG DNA: A Novel Immunomodulator," <i>Trends in Microbiology</i> , 7, 2, (1999).
M	Leitner, W.W. et al., "DNA and RNA-based Vaccines: Principles, Progress and Prospects," <i>Vaccine</i> , 18, pp. 765-777 (2000).
M	Liang, H. et al., "Activation of Human B Cells by Phosphorothioate Oligodeoxynucleotides," <i>J. Clin. Invest.</i> , 98, 5, pp. 1119-1129 (1996).
M	Liang, H. et al., "Responses of Human B Cells to DNA and Phosphorothioate Oligodeoxynucleotides," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 227-240 (2000).
M	Lipford, G.B. et al., "Hematopoietic Remodeling Triggered by CpG DNA," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited H. Wagner, pp. 119-129 (2000).
M	Macfarlane, D.E. et al., "Immunostimulatory CpG-Oligodeoxynucleotides Induce a Factor that Inhibits Macrophage Adhesion," <i>Laboratory and Clinical Medicine</i> , 134, 5, pp. 501-509 (1999).
M	McCluskie, M.J. et al., "CpG DNA as Mucosal Adjuvant," <i>Vaccine</i> , 18, pp. 231-237 (2000).
M	McCluskie, M.J. et al., "Novel Strategies Using DNA for the Induction of Mucosal Immunity," <i>Critical Reviews in Immunology</i> , 19, pp. 303-329 (1999).
M	McCluskie, M.J. et al., "Cutting Edge: CpG DNA is a Potent Enhancer of Systemic and Mucosal Immune Responses Against Hepatitis B Surface Antigen with Intranasal Administration to Mice," <i>The Journal of Immunology</i> , 161, 9, pp. 4463-4466 (1998).
M	Metzer, W.J. et al., "Oligonucleotide Therapy of Allergic Asthma," <i>Journal of Allergy and Clinical Immunology</i> , 104, 2, pp. 260-266 (1999).
M	Moss, R.B. et al., "In Vitro Immune Function After Vaccination with an Inactivated, gp120-Depleted HIV-1 Antigen with Immunostimulatory Oligodeoxynucleotides," <i>Vaccine</i> , 18, pp. 1081-1087 (2000).

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Page 5 of 8



**INFORMATION DISCLOSURE CITATION**

OMB No. 0651-0011

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

M	Oxenius, A. et al., "CpG-Containing Oligonucleotides are Efficient Adjuvants for Induction of Protective Antiviral Immune Responses with T-Cell Peptide Vaccines," <i>Journal of Virology</i> , pp. 4120-4126 (1999).
M	Pisetsky, D.S., "The Role of Bacterial DNA in Autoantibody Induction," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 143-155 (2000).
M	Sato, Y. et al., "Adjuvant Effect of a 14-Member Macrolide Antibiotic on DNA Vaccine," <i>Cellular Immunology</i> , 197, pp. 145-150 (1999).
M	Schwartz, D.A. et al., "Bacterial DNA or Oligonucleotides Containing Unmethylated CpG Motifs can Minimize Lipopolysaccharide-Induced Inflammation in the Lower Respiratory Tract Through an IL-12-Dependent Pathway," <i>The Journal of Immunology</i> , 163,1, pp. 224-231 (1999).
M	Sedgwick, J.D. et al., "A Solid-Phase Immunoenzymatic Technique for the Enumeration of Specific Antibody-Secreting Cells," <i>Journal of Immunological Methods</i> , 57, pp. 301-309 (1983).
M	Shirota et al., "Regulation of T-Helper Type 2 Cell and Airway Eosinophilia by Transmucosal Coadministration of Antigen and Oligodeoxynucleotides Containing CpG Motifs," <i>Respiratory Cell and Molecular Biology</i> , 22, 2, pp. 176-181(2000).
M	Singh, M. et al., "Advances in Vaccine Adjuvants," <i>Nature Biotechnology</i> , 17, 11, pp. 1075-1081 (1999).
M	Sparholt, S.H. et al., "Detection of B-lymphocytes Secreting Antibodies to Dermatophagoides Antigens," <i>Clinical and Experimental Allergy</i> , 21, pp. 85-90 (1991).
M	Sparwasser, T. et al., "Consequences of Bacterial CpG DNA-Driven Activation of Antigen-Presenting Cells," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 59-75 (2000).
M	Stacey, K.J. et al., "Immunostimulatory DNA as an Adjuvant in Vaccination Against Leishmania Major," <i>Infection and Immunity</i> , pp. 3719-3726 (1999).
M	Stacey, K.J. et al., "Macrophage Activation by Immunostimulatory DNA," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 41-57 (2000).
M	Stan, C. A. et al., "CpG Motifs of DNA Vaccines Induce the Expression of Chemokines and MHC Class II Molecules on Myocytes," <i>Eur. J. Immunol.</i> , 31, pp. 301-310 (2001).
M	Subklewe, M. et al., "Presentation of Epstein-Barr Virus Latency Antigens to CD8, Interferon- $\gamma$ -Secreting, T Lymphocytes," <i>Eur. J. Immunol.</i> , 29, pp. 3995-4001 (1999).
M	Sun, S. et al., "Role of Type I Interferons in T Cell Activation Induced by CpG DNA," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 107-117 (2000).
M	Sur, S. et al., "Long Term Prevention of Allergic Lung Inflammation in a Mouse Model of Asthma by CpG Oligodeoxynucleotides," <i>The Journal of Immunology</i> , 162, 10, pp. 6284-6293 (1999).
M	Takeshita, F. et al., "CpG ODN-Mediated Regulation of IL-12 p40 Transcription," <i>Eur. J. Immunol.</i> , pp. 1967-1976 (2000).
M	Takeshita, S. et al., "CpG Oligodeoxynucleotides Induce Murine Macrophages to Up-Regulate Chemokine mRNA Expression," <i>Cellular Immunology</i> , 206, pp. 101-106 (2000).

*NMM/Mianfield 8/31/04*



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TECH CENTER 1600/2800  
SEP 10 2001

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MM</i>	Takeshita, F. et al., "Positive and Negative Regulatory Elements Contribute to CpG Oligonucleotide-Mediated Regulation of Human IL-6 Gene Expression," <i>Eur. J. Immunol.</i> , 30, pp. 108-116 (2000).
<i>MM</i>	Tascon, R.E. et al., "Immunostimulatory Bacterial DNA Sequences Activate Dendritic Cells and Promote Priming and Differentiation of CD8 <sup>+</sup> T Cells," <i>Immunology</i> , 99, pp. 1-7 (2000).
<i>MM</i>	Vabulas, R.M. et al., "CpG-DNA Activates In Vivo T Cell Epitope Presenting Dendritic Cells to Trigger Protective Antiviral Cytotoxic T Cell Responses," <i>The Journal of Immunology</i> , 164, 5, pp. 2372-2378 (2000).
<i>MM</i>	Van Uden, J. et al., "Immunostimulatory DNA and Applications to Allergic Disease," <i>Journal of Allergy and Clinical Immunology</i> , 104, 5, pp. 903-910 (1999).
<i>MM</i>	Verthelyi, D. et al., "Human Peripheral Blood Cells Differentially Recognize and Respond to Two Distinct CpG Motifs <sup>1,2</sup> ," <i>The Journal of Immunology</i> , 166, 4, pp. 2372-2377 (2001).
<i>MM</i>	Von Hunolstein, C. et al., "Synthetic Oligodeoxynucleotide Containing CpG Motif Induces an Anti-Polysaccharide Type 1-Like Immune Response After Immunization of Mice with Haemophilus Influenzae Type b Conjugate Vaccine," <i>International Immunology</i> , 12, 3, pp. 295-303 (2000).
<i>MM</i>	Voo, K.S. et al., "Cloning of a Mammalian Transcriptional Activator that Binds Unmethylated CpG Motifs and Shares a CXXC Domain with DNA Methyltransferase, Human Trithorax and Methyl-CpG Binding Domain Protein 1," <i>Molecular and Cellular Biology</i> , pp. 2108-2121 (2000).
<i>MM</i>	Wagner, H., "Bacterial CpG DNA Activates Immune Cells to Signal Infectious Danger," <i>Advances in Immunology</i> , 73, pp. 329-367.
<i>MM</i>	Walker, P.S. et al., "Immunostimulatory Oligodeoxynucleotides Promote Protective Immunity and Provide Systemic Therapy for Leishmaniasis via IL-12- and IFN- $\gamma$ -Dependent Mechanisms," <i>Proc. Natl. Acad. Sci. USA</i> , 96, pp. 6970-6975 (1999).
<i>MM</i>	Weeratna, R.D. et al., "CpG DNA Induces Stronger Immune Responses with Less Toxicity than Other Adjuvants," <i>Vaccine</i> , 18, pp. 1755-1762 (2000).
	Weiner, G.J., "CpG DNA in Cancer Immunotherapy", <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 156-170 (2000).

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M	Yamamoto, S. et al., "Oligodeoxyribonucleotides with 5'-ACGT-3' or 5'-TCGA-3' Sequence Induce Production of Interferons," <i>Immunobiology of Bacterial CpG-DNA</i> , Springer, Edited by H. Wagner, pp. 23-39 (2000).
M	Yi, A. et al., "Systemic Induction of IL-6 Transcription Through an Antioxidant-Sensitive Pathway," <i>The Journal of Immunology</i> , 157, 12, pp. 5394-5402 (1996).
M	Zhao, Q. et al., "Site of Chemical Modifications in CpG Containing Phosphorothioate Oligodeoxynucleotide Modulates its Immunostimulatory Activity," <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , 9, pp. 3453-3458 (1999).

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